

PI	Bredesen DB, Rabizadeh S;
XX	WPI; 1999-561617/47.
DR	P-PSDB; AAY33491.
XX	New proapoptotic dependence peptides, used to develop products for
PT	treating, e.g. Alzheimer's disease -
XX	Disclosure; Page 86-90; 199pp; English.
XX	This invention describes novel pure proapoptotic dependence peptides
CC	which comprise a sequence of an active dependence domain selected from
CC	dependence polypeptides consisting of p75NTR, androgen receptor, DCR,
CC	huntingtin polypeptide, Machado-Joseph disease gene product, SCAL, SCA2,
CC	SCA6 and atrophin-1 polypeptide. The proapoptotic peptides are capable
CC	of inducing cell death and can be used to develop products to mediate or
CC	inhibit apoptosis. The methods can be used for reducing the severity of
CC	a proapoptotic dependence domain mediated pathological conditions e.g.
CC	Huntington's disease, Alzheimer's disease, Kennedy's disease,
CC	Spino cerebellar ataxias, dentatorubral pallidoluysian atrophy,
CC	Machado-Joseph disease, stroke or head trauma. They can also be used for
CC	reducing the severity of a pathological condition mediated by upregulated
CC	cell proliferation or cell survival e.g. neoplastic, malignant,
CC	autoimmune or fibrotic conditions. This sequence encodes a human
CC	androgen receptor described in the method of the invention..
XX	
XX	Sequence 3715 BP; 841 A; 1055 C; 1001 G; 818 T; 0 other;
SQ	
	Query Match 70.8%; Score 3595.8; DB 20; Length 3715;
	Best Local Similarity 98.6%; Pred. No. 0;
	Matches 3685; Conservative 0; Mismatches 7; Indels 45; Gaps 4
Qy	1335 tgcacgaggagaaacctctgttttcccccactctctcaccactcctcctcgcttc 1394
Db	
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Qy	1395 caccocgagtgcggaggcagagatcaaaaagtgaaggcgagtcaggtcttcagtagcca 1454
Db	
	64 caccocgagtgcgagg-cagagatcaaaagtgaaggcgagtcaggtcttcagtagcca 122
Qy	1455 aaaacaacaaacaaaaacaaaaacccccgaataaaaagaaaaagataataactcagatt 1514
Db	
	123 aaacacaaacaaacaaaaacaaaaacccccgaataaaaagaaaaagataataactcagtt 182
Qy	1515 ctatttgcacctacttcagtgacactgaatttggagggtggaggaatttgtgttttttc 1574
Db	
	183 ctatttgcacctacttcagtgacactgaatttggagggtggaggaatttgtgttttttc 242
Qy	1575 tttaaatgatcgggcatcttttgaatctacccttcaaagtattangagacagactgtgagc 1634
Db	
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Qy	1635 ctacagggcagacttctgtccaccgtgtctctcttctgcacgaagaatttgagcgtgtca 1694
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	303 ctacagggcagacttctgtccaccgtgtctctcttcttctgcacgaagaatttgagcgtgtca 362
Qy	1695 gagcgcttttgcgtggttgcctcccgcaagtttctctctgtgagcttccgcgaggtggg 1754
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	363 gagcgcttttgcgtggttgcctcccgcaagtttctctctgtgagcttccgcgaggtggg 422
Qy	1755 cagctagctcagcgactaacgcatcatcacagcctgttgactctctgcagcaagagaa 1814
Db	
	423 cagctagctcagcgactaacgcatcatcacagcctgttgactctctctgcagcaagagaa 482
Qy	1815 ggggagcgcgsgttaagggaagtaggttggaagatttcagccaagctcaaggatggaagtga 1874
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	483 ggggagcgcgsgttaagggaagtaggttggaagatttcagccaagctcaaggatggaagtga 542
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Db	
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QY	1935	gaatctgttccagagctgctgcgcaagatgataccagaacccgggccccaggaacccagagc	1991
DB	603	gaatctgttccagagctgctgcgcaagatgataccagaacccgggccccaggaacccagagc	662
QY	1995	cgcagcgcagcaactccgcgcgcagtttgcctgctgcagcagcagcagcagcagca	2054
DB	663	cgcagcgcagcaactccgcgcgcagtttgcctgctgcct-----	701
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DB	702	---gcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcaagagac	758
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QY	2175	agccccacaggtacctgctgctgcagacacttcagagcaaaccttcacagccgcagtcgc	2234
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QY	2235	cctggagtgcaaccccgagagaggttgctccagagcctgagccgcctgagccgcgcag	2294
DB	879	cctggagtgcaaccccgagagaggttgctccagagcctgagccgcgcctgagccgcgcag	938
QY	2295	caagggtcgcgcagcagctgcagacactccgcagcagcagcagcagcagcagcagcagc	2354
DB	939	caagggtcgcgcagcagctgcagacactccgcagcagcagcagcagcagcagcagcagc	998
QY	2355	caactgtccctgctggtggcccaactttcccggttaagcagctgcctcctgacacttaa	2414
DB	999	caactgtccctgctggtggcccaactttcccggttaagcagctgcctcctgacacttaa	1058
QY	2415	agacatcctgagcgagccagcaccaatcactccttcagcaacagcagcagcagcagcagc	2474
DB	1059	agacatcctgagcgagccagcaccaatgcaactccttcagcaacagcagcagcagcagcagc	1118
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QY	2595	agtgctgggttccatggcctgggtgtgagcgcttgagacatctgagtcagggggaaca	2654
DB	1239	agtgctgggttccatggcctgggtgtgagcgcttgagacatctgagtcagggggaaca	1298
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QY	2715	tctctgtcccaattgcccgaatgcgaagttctctgctagacacagcagcagcagcagcag	2774
DB	1359	tctctgttcccaattgcccgaatgcgaagttctctgctagacacagcagcagcagcagcag	1418
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QY	2835	cgaagacctagcctgcctgcagcgcctgcagcagcagcctcgcggacacttgaactgcc	2894
DB	1479	cgaagacctagcctgcctgcagcgcctgcagcagcagcctcgcggacacttgaactgcc	1538
QY	2895	gtctacctgtctctacaaagtcggagcactggacgagcagcagcagcagcagcagcagc	2954
DB	1539	gtctacctgtctctacaaagtcggagcactggacgagcagcagcagcagcagcagcagc	1598
QY	2955	cgactactacaactttccactgtctctgcgcgaacgcgcgcctccgcgcctcccca	3014
DB	1599	cgactactacaactttccactgtctctgcgcgaacgcgcgcctccgcgcctcccca	1656
QY	3015	tcgccacgctcgcataaagctggagaacccgcctggactacgcgcgcctggcgcgctgc	3074

20-AUG-1991 (first entry)
 Full-length human androgen receptor coding sequence.
 hAR; DNA-binding protein; steroid hormone; ss.
 Homo sapiens.
 Key Location/Qualifiers
 CDS 532..3288
 /tag=a
 /product= full-length 918 residue hAR
 /note= "includes shorter 734 residue hAR"

WT: 1991-178048/24.
 P-PSDB; AAR12223.
 Androgen receptor and TR2 DNA binding proteins - DNA sequences
 and antibodies for detection and quantification methods
 Claim 4; Fig 3; 79pp; English.
 This sequence was isolated by screening commercially available human
 testis and prostate lambda gt11 cDNA libraries. Initial screening
 was with probes designed for homology to nucleotide sequences in the
 DNA-binding domain of known steroid receptors. Positive clones were
 then screened with 24mer probes specific for the various steroid
 receptors to eliminate those which coded for known receptors. Any
 remaining clones were analysed by restriction mapping and were
 sequenced. The human AR coding sequence is given here.
 Sequence 3715 BP; 842 A; 1055 C; 1003 G; 815 T; 0 other;

Query Match 70.7%; Score 3594.2; DB 12; Length 3715;
 Best Local Similarity 98.6%; Pred. No. 0;
 Matches 3684; Conservative 0; Mismatches 8; Indels 45; Gaps 4;
 QY 1335 tgcacgagagaaacccctctgttttcccccaactctctctccaccctctctgcttccc 1394
 DB 4 ttccggcgagagaaacccctctgttttcccccaactctctctccaccctctctgcttccc 63
 QY 1395 caaccccgagtcgagccagagatcaaaagatgaaagcgagtcaggtcttcagtagccca 1454
 DB 64 caccctcggtcgagag-cagagatcaaaagatgaaagcgagtcaggtcttcagtagccca 122
 QY 1455 aaaaaaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaac 1514
 DB 123 aaaaaaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaac 182
 QY 1515 cttatttcacactactcagtggaacactgaatttggaaggtgagagatttggttttttc 1574
 DB 183 cttatttcacactactcagtggaacactgaatttggaaggtgagagatttggttttttc 242
 QY 1575 ttttaagatctgggcatcttttgaatctacccttcaagttaagtagagacagactgtgagc 1634
 DB 243 ttttaagatctgggcatcttttgaatctacccttcaagttaagtagagacagactgtgagc 302
 QY 1635 ctacagaggcagatcttttgcacactgtgtcttcttctgcacagactttagactatca 1694
 DB 303 ctacagaggcagatcttttgcacactgtgtcttcttcttctgcacagactttagactatca 362

QY 1695 gagcgtttttgctggttactcccgcaagtcttctctctgagcttcccgaggtggg 1754
 DB 363 gagcgtttttgctggttactcccgcaagtcttctctctgagcttcccgaggtggg 422
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 DB 423 cagctagctcagcagactaccgcatcatcagcagctgttgaactcttctgagcaagaa 482
 QY 1815 ggggagcggggttaagggaagtaggtggaagattcagcccaagctcaaggatgaagtga 1874
 DB 483 ggggagcggggttaagggaagtaggtggaagattcagcccaagctcaaggatgaagtga 542
 QY 1875 gttaggctggaaggtctaccctcgccgctcaagacctaccagagagctttcca 1934
 DB 543 gttaggctggaaggtctaccctcgccgctcaagacctaccagagagctttcca 602
 QY 1935 gaactgttccagagcgtgcggaagtgcacgaacccgggcccagggcaccagagggc 1994
 DB 603 gaactgttccagagcgtgcggaagtgcacgaacccgggcccagggcaccagagggc 662
 QY 1995 cgcagcagcagcactcccgccgagcttctgctgctgctgagcagcagcagcagcagc 2054
 DB 663 cgcagcagcagcactcccgccgagcttctgctgctgctgagcagcagcagcagcagc 701
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 DB 999 caggtgtccctgcgtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 1058
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 DB 1239 agtgcgtgttcactggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 1298
 QY 2655 gcttcggggggggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 2714
 DB 1299 gcttcggggggggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 1358
 QY 2715 tcttgcgttcctggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 2774
 DB 1359 tcttgcgttcctggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 1418

Db 3568 tgatgactctcatatggccacagtgtcaagttgtgtgttttacagcactactctgtgcc 3627

Qy 4986 gccacacaaacgtttacttcttattccacgggaagtttagagagctaagattatctgg 5045
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Db 3628 gccacacaaacgtttacttattattatccacgggaagtttagagagctaagattatctgg 3687
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Qy 5046 gaaatcaaaacaaaa 5062
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Db 3688 gaaatcaaaacaaaa 3704

RESULT 3

AAT63407

ID AAT63407 standard; cDNA; 3569 BP.

XX

AC AAT63407;

XX

DT 22-JUN-1997 (first entry)

XX

DE Androgen receptor cDNA.

XX

KW Androgen receptor; acidic fibroblast growth factor; aFGF;

KW antisense; benign prostatic hyperplasia; prostate cancer; therapy;

KW ds.

XX

OS Homo sapiens.

XX

FH Key Location/Qualifiers

FT CDS 363..3122

FT /*tag= a

FT misc_feature complement (916..936)

FT /*tag= b

FT /*note= "antisense oligonucleotide preferred for

FT use in methods of the invention"

FT complement (927..947)

FT /*tag= c

FT /*note= "antisense oligonucleotide preferred for

FT use in methods of the invention"

FT complement (927..936)

FT /*tag= d

FT /*note= "antisense oligonucleotide preferred for

FT use in methods of the invention"

XX

PN W09711170-A1.

XX

PD 27-MAR-1997.

XX

PF 20-SEP-1996; 96WO-US15081.

XX

PR 20-SEP-1995; 95US-0004018.

XX

XX (WORC-) WORCESTER FOUND BIOMEDICAL RES.

PA Zamecnik PA;

XX

DR WPI; 1997-202879/18.

DR P-PSDB; AAW14783.

XX

PT Oligonucleotide(s) antisense to human androgen receptor and acidic

PT FGF genes - used to inhibit gene expression, for the treatment of

PT benign prostatic hyperplasia

XX

PS Claim 2; Page 21-29; 5lpp; English.

XX

CC A cDNA clone (AAT63407) codes for the human androgen receptor

CC (AAW14783). Methods of selectively inhibiting the growth, or of

CC killing, prostatic cells involve the use of antisense

CC oligonucleotides (see also AAT63200, AAT63404-05) to this androgen

CC receptor sequence or antisense oligonucleotides (see also AAT63406)

CC to the human acidic fibroblast growth factor gene (see also

CC AAT63197-99). The methods are esp. useful for the treatment of

CC benign prostatic hyperplasia and prostate cancer.

XX

SQ Sequence 3569 BP; 796 A; 1009 C; 974 G; 790 T; 0 other;

Query Match 69.8%; Score 3547; DB 18; Length 3569;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 3569; Conservative 0; Mismatches 0; Indels 12; Gaps 1;

Qy 1502 taataactcagttcttatttgcacctacttcaagtggaactgaatttggaggagga 1561
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Qy 1562 ttttgttttttttttaagatctgggcattcttttgaattacaccttcaagattataagag 1621
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Db 61 ttttgttttttttttaagatctgggcattcttttgaattacaccttcaagattataagag 120

Qy 1622 acagactgtgagcctagcagggcagatcttctccacgtgtgtcttcttcttcgacgagac 1681
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Db 121 acagactgtgagcctagcagggcagatcttctccacgtgtgtcttcttcttcgacgagac 180

Qy 1682 tttagagctgtcagagcgttttttgcgtggttgcctccgcaagtcttcttctctctggagct 1741
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Db 181 tttagagctgtcagagcgttttttgcgtggttgcctccgcaagtcttcttctctggagct 240

Qy 1742 tcccgcaggtgggcagctagctcagcgcactacccatcatcacagcgtgttgaactctt 1801
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Db 241 tcccgcaggtgggcagctagctcagcgcactacccatcatcacagcgtgttgaactctt 300

Qy 1802 ctgagcaagaagaaggagcgggtaaggaagtagtggaagattcagccaaagctcaa 1861
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Db 301 ctgagcaagaagaaggagcgggtaaggaagtagtggaagattcagccaaagctcaa 360

Qy 1862 ggatggagtgagcttagggctgggaagggtctacctcgcgcgcctccaaacacttacc 1921
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Db 361 ggatggagtgagcttagggctgggaagggtctacctcgcgcgcctccaaacacttacc 420

Qy 1922 gaggagcttccagaatctgttccagagcgtgcgcgaagtgcaccgaacccgggcccaca 1981
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Db 421 gaggagcttccagaatctgttccagagcgtgcgcgaagtgcaccgaacccgggcccaca 480

Qy 1982 ggcaccagagggcgcgagcgcagcactcccgccagcttctgtctgtctgcgcagcgc 2041
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Qy 2042 agcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 2101
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Db 533 ---gcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 588

Qy 2102 agcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 2161
 |||||

Db 589 agcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 648

Qy 2162 agcccaatcgtagagcccccacaggttaacctgtctctggatgaggaacacacaccttccac 2221
 |||||

Db 649 agcccaatcgtagagcccccacaggttaacctgtctctggatgaggaacacacaccttccac 708

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Db 889 ccgctgaccttaagacatctctgagcagcagcagcagcagcagcagcagcagcagcagcagc 948

Qy 2462 agcaggaagcagtatccgaaggcagcagcagcagcagcagcagcagcagcagcagcagcagc 2521
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Db 1309 aagggtctagaggcgagagcctaggctgtctgtggagcgctgcagcaggaggtccggga 1368
QY 2882 caettgaactgcccgtctacccgtctctctacaaagtcggagcaactggagagcgagctg 2941
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QY 3002 cgcgcgtcccccattcccacgctcgatcaagctggagaacccgcctggaactagcgagcg 3061
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RESULT 5
 AAN91773
 ID AAN91773 standard; cDNA; 4180 BP.
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 AC AAN91773;
 XX
 DT 19-MAR-1990 (first entry)
 XX
 DE Rat androgen receptor cDNA.
 XX
 KW Rat androgen receptor; monoclonal antibody; ployclonal antibody;
 cancer; probe.
 XX
 OS Rattus rattus.
 XX
 FH Key Location/Qualifiers
 FT CDS 936..3702
 FT /*tag= a
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 PN W08909791-A.
 XX
 PD 19-OCT-1989.
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 PF 13-APR-1989; 89WO-US01548.
 XX
 PR 14-APR-1988; 88US-0182646.
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 PA (UYNC-) UNIVERSITY OF NORTH CAROLINA.
 XX
 PI French FS, Wilson EM, Joseph DR, Lubahn DB;
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 DR WPI; 1989-324206/44.
 XX
 DR P-PSDB; AAP93110.
 XX
 PT DNA encoding androgen receptor protein - useful for transforming
 eukaryotic hosts for protein expression and subsequent antibody prodn.
 XX
 PS Disclosure; Fig. 5; 4lpp; English.
 XX
 CC Complementary DNA sequences derived from the cDNA may be used as probes
 to detect the presence of androgen receptor (AR) mRNA in tumour cells, and
 to detect AR gene defects using DNA hybridisation assays.
 XX
 SQ Sequence 4180 BP; 1024 A; 1149 C; 1083 G; 924 T; 0 other;

Query Match 48.9%; Score 2486.4; DB 10; Length 4180;
 Best Local Similarity 77.9%; Pred. No. 0;
 Matches 3416; Conservative 0; Mismatches 664; Indels 306; Gaps 23;
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D	b	4016	gcttgttttatgacactgctgtgtgtgccaccagcaaatgttttactcactccttgcact	4075

QY	5017	g9gaagtttagagcgttaagtattcttggggaaatcaaacacaaaaacaagcaacaaaa	5076
Db	4076	g9caagtttagagcgtataagtattcttgggaagaacaaaacagagaglaaaaaacc	4135
QY	5077	aaaaaa 5082	
Db	4136	aaaaaa 4141	
RESULT 6			
ID	AAQ12002	standard; DNA; 3217 BP.	
XX	AAQ12002;		
AC	AAQ12002;		
DT	20-AUG-1991	(first entry)	
DE	Full-length rat androgen receptor coding sequence.		
XX	rAR; DNA-binding protein; steroid hormone; ss.		
KW	Rattus rattus.		
OS			
XX	Key	Location/Qualifiers	
FH	CDS	33..2741	
FT		/tag= a	
FT		/product= full-length (902 amino acids) rAR	
FT		/note= "includes 733 residue shorter rAR protein"	
PN	WO9107423-A.		
XX			
PD	30-MAY-1991.		
XX			
PF	19-OCT-1990;	90WO-US06015.	
XX			
PR	17-NOV-1989;	89US-0438775.	
XX			
PA	(ARCH-) ARCH DEV CORP.		
XX			
PI	Liao S, Chang C;		
XX			
DR	WPI; 1991-178048/24.		
DR	P-PSDB; AAR12224.		
XX			
PT	Androgen receptor and TR2 DNA binding proteins - DNA sequences		
PT	and antibodies for detection and quantification methods		
XX			
PS	Claim 4; Fig 3; 79pp; English.		
XX			
CC	This sequence was isolated by screening a rat ventral prostate		
CC	lambda gtll library in E.coli Y1090. Initial screening		
CC	was with probes designed for homology to nucleotide sequences in the		
CC	DNA-binding domain of known steroid receptors. Positive clones were		
CC	then screened with 24mer probes specific for the various steroid		
CC	receptors to eliminate those which coded for known receptors. Any		
CC	remaining clones were analysed by restriction mapping and were		
CC	sequenced. The rat AR coding sequence is given here.		
XX			
SQ	Sequence 3217 BP; 776 A; 873 C; 843 G; 725 T; 0 other;		
Query Match 43.1%; Score 2189.2; DB 12; Length 3217;			
Best Local Similarity 82.4%; Pred. No. 0;			
Matches 2726; Conservative 0; Mismatches 393; Indels 191; Gaps			
QY	1832	gaagttagtggaagattcacgaagctccaaggatggaagtgcagtttagcgctgggaagg	1891
Db	1	gaatttcggtggaagctagacacaagactaaaggatggaagtgcagtttagcgctgggaagg	60
QY	1892	tctacctctggccgcgtctcaagacctaccaggagctttccagaatctgttccagagcg	1951
Db	61	tctaccacggccccgcccaagacctatcgagagcggtttccagaatctgttccagagcg	120

PD 05-OCT-2000.
XX 30-MAR-2000; 2000WO-US08440.
XX 31-MAR-1999; 99US-0127248.
XX (WHED) WHITEHEAD INST BIOMEDICAL RES.
PA (AFFY-) AFFYMETRIX INC.
XX Altshuler D, Cargill M, Daley GQ, Ireland JS, Lander ES;
PI Lipshutz RJ, Patil N, Sklar P;
XX WPI; 2000-611722/58.
XX
XX Nucleic acid selected from one of 106 genes comprising single
PT nucleotide polymorphisms, allele-specific oligonucleotides to the genes
PT are useful for phenotypic correlations, forensics, paternity testing,
PT medicine and genetic analysis -
XX
XX Claim 1; Fig 5; 214pp; English.
XX
XX The present invention is concerned with a number of human single
CC nucleotide polymorphisms (SNPs) which the inventors identified in human
CC genes. These SNPs can be used in disease diagnosis and prediction of an
CC individual's susceptibility to disease, in forensic and paternity testing
CC and in genetic mapping. In particular, the SNPs of the invention can be
CC used to diagnose susceptibility to diseases of the cardiovascular,
CC endocrine and neurological systems, such as coronary artery disease,
CC schizophrenia, cancer, autoimmune diseases, Alzheimer's and Parkinson's
CC diseases.
CC Note: The degenerate codon within the sequence represents the position
CC of an SNP, for example the letter S represents a polymorphism where the
CC nucleotide may be C or G.
XX
XX Sequence 612 BP; 133 A; 178 C; 182 G; 118 T; 1 other;

Query Match 12.0%; Score 611.6; DB 21; Length 612;
Best Local Similarity 99.8%; Pred. No. 4.5e-96;
Matches 611; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Dn 2375 ccactttcccggttaagcagctgtctcgcgtgacattaaagacatcctgagcaggcca 2434
Dn 1 ccaatttcccggttaagcagctgtctcgcgtgacattaaagacatcctgagcaggcca 60
Qy 2435 gcaccatgcaactccttcagcaacagcagcagcagcagcagcagcagcagcagcagc 2494
Dn 61 gcaccatgcaactccttcagcaacagcagcagcagcagcagcagcagcagcagcagc 120
Qy 2495 ggagagcagaggagcctcggggctcccaacttccctcccaagacaattacttaggggcca 2554
Dn 121 ggagagcagaggagcctcggggctcccaacttccctcccaagacaattacttaggggcca 180
Qy 2555 ctccgaccattctgacacgccaagaggtgtgttaagcagctgtggtccatggggcc 2614
Dn 181 ctccgaccattctgacacgccaagaggtgtgttaagcagctgtggtccatggggcc 240
Qy 2615 tgggtgtggagggcgttggagcattcagtcagcaggggagcagcagcagcagcagcagcagc 2674
Dn 241 tgggtgtggagggcgttggagcattcagtcagcaggggagcagcagcagcagcagcagcagc 300
Qy 2675 acgccccacttttgggagttccaccgcgtgtgctcccaactctgtgccccattgggccc 2734
Dn 301 acgccccacttttgggagttccaccgcgtgtgctcccaactctgtgccccattgggccc 360
Qy 2735 aatgcaaaagtctctgtagacagcagcagcagcagcagcagcagcagcagcagcagcagc 2794
Dn 361 aatgcaaaagtctctgtagacagcagcagcagcagcagcagcagcagcagcagcagcagc 420
Qy 2795 attcccttttcaaggagggtttacacaaagggttagaaggcagcagcagcagcagcagcagc 2854
Dn 421 attcccttttcaaggagggtttacacaaagggttagaaggcagcagcagcagcagcagcagc 480

Qy 2855 gcagcgtgcagcagggagctccggagacattgaactgcgcttacccctgtctctctaca 2914
Dn 481 gcagcgtgcagcagggagctccggagacattgaactgcgcttacccctgtctctctaca 540
Qy 2915 agtcggagcacttgacgagcagcagcagcagcagcagcagcagcagcagcagcagcagc 2974
Dn 541 agtcggagcacttgacgagcagcagcagcagcagcagcagcagcagcagcagcagcagc 600
Qy 2975 tggctctggtccg 2986
Dn 601 tggctctggtccg 612
RESULT 13
AAC70305
ID AAC70305 standard; DNA; 598 BP.
XX
AC AAC70305;
XX
DT 09-FEB-2001 (first entry)
XX
DE Single nucleotide polymorphism containing sequence #45.
XX
KW Single nucleotide polymorphism; SNP; human; genetic disease;
KW disease susceptibility; cardiovascular system; endocrine system;
KW neurological system; forensic testing; paternity testing; ds.
OS Homo sapiens.
XX
PN WO200058519-A2.
XX
PD 05-OCT-2000.
XX
PF 30-MAR-2000; 2000WO-US08440.
XX
PR 31-MAR-1999; 99US-0127248.
XX
PA (WHED) WHITEHEAD INST BIOMEDICAL RES.
PA (AFFY-) AFFYMETRIX INC.
XX
PI Altshuler D, Cargill M, Daley GQ, Ireland JS, Lander ES;
PI Lipshutz RJ, Patil N, Sklar P;
XX
DR WPI; 2000-611722/58.
XX
PT Nucleic acid selected from one of 106 genes comprising single
PT nucleotide polymorphisms, allele-specific oligonucleotides to the genes
PT are useful for phenotypic correlations, forensics, paternity testing,
PT medicine and genetic analysis -
XX
PS Claim 1; Fig 5; 214pp; English.
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CC and in genetic mapping. In particular, the SNPs of the invention can be
CC used to diagnose susceptibility to diseases of the cardiovascular,
CC endocrine and neurological systems, such as coronary artery disease,
CC schizophrenia, cancer, autoimmune diseases, Alzheimer's and Parkinson's
CC diseases.
CC Note: The degenerate codon within the sequence represents the position
CC of an SNP, for example the letter S represents a polymorphism where the
CC nucleotide may be C or G.
XX
SQ Sequence 598 BP; 132 A; 197 C; 189 G; 79 T; 1 other;

Query Match 11.3%; Score 575.6; DB 21; Length 598;
Best Local Similarity 97.9%; Pred. No. 6.5e-90;
Matches 597; Conservative 1; Mismatches 0; Indels 12; Gaps 1;
Qy 1822 cggggaagggaagtaggtggaagattcagccaagcagcagcagcagcagcagcagcagc 1881

